

PTO/SB/08A (04-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 7

**Complete if Known**

Application Number	09/785,486
Filing Date	February 20, 2001
First Named Inventor	Shinji TAKEDA
Art Unit	
Examiner Name	GRAYBILL, D.
Attorney Docket Number	TM&K0008

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
G	A	US- 4,358,581	11-09-1982	Sutton	
	B	US- 4,543,295	09-24-1985	St. Clair et al.	
	C	US- 4,581,096	04-08-1986	Sato	
	D	US- 4,875,279	10-24-1989	Sakiadis	
	E	US- 4,933,219	06-12-1990	Sakumoto et al.	
	F	US- 4,985,105	01-15-1991	Masuda	
	G	US- 4,990,292	02-05-1991	Hattori et al.	
	H	US- 5,145,099	09-08-1992	Wood et al.	
	I	US- 5,177,032	01-05-1993	Fogal et al.	
	J	US- 5,204,399	04-20-1993	Edelman	
	K	US- 5,234,522	08-10-1993	Suzuki et al.	
	L	US- 5,238,730	08-24-1993	Hanawa et al.	
	M	US- 5,250,637	10-05-1993	Shiobara et al.	
	N	US- 5,277,972	01-11-1994	Sakumoto et al.	
	O	US- 5,319,005	06-07-1994	Hagiwara et al.	
	P	US- 5,360,942	11-01-1994	Hoffman et al.	
	Q	US- 5,432,380	07-11-1995	Jin et al.	
	R	US- 5,476,908	12-19-1995	Kishi et al.	
	S	US- 5,512,628	04-30-1996	Sakumoto et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
G	T	EP-285051	10-05-1988	DuPont		
	U	EP-618614	10-05-1994	Hitachi Chem.		
	V	EP-775716	05-28-1997	Kanegafuchi Kagaku Kogyo		
	W	EP-0271736-A1	06-22-1988	Nippon Steel Chemical Co.		
	X	EP-0837498-A1	04-22-1998	Hitachi Chem.		
E	Y	JP-6326240	11-25-1994	Hitachi Cable		

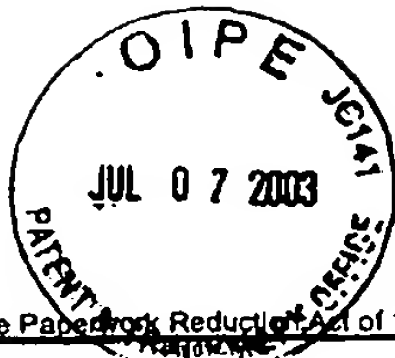
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Considered

9-26-3

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 7

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Filing Date	February 20, 2001
First Named Inventor	Shinji TAKEDA
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Examiner Name	GRAYBILL, D.
Attorney Docket Number	TM&K0008

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		Number-Kind Code <sup>2</sup> (if known)			
G	Z	US- 5,528,075	06-18-1996	Burns	
	AA	US- 5,635,009	06-03-1997	Kawamura et al.	
	AB	US- 5,659,004	08-19-1997	Takigawa et al.	
	AC	US- 5,728,473	03-17-1998	Inoue et al.	
	AD	US- 5,739,099	04-14-1998	Welch et al.	
	AE	US- 5,827,908	10-27-1998	Arai et al.	
	AF	US- 5,837,368	11-17-1998	Hiroe et al.	
	AG	US- 6,046,072	04-04-2000	Matsuura et al.	
	AH	US- 6,097,089	08-01-2000	Gaku, et al.	
	AI	US- 6,099,678	08-08-2000	Kotato et al.	
	AJ	US- 6,248,613	06-19-2001	Matsuura et al.	
	AK	US- 6,299,513	10-09-2001	Tsuihiji et al.	
	AL	US- 6,372,080	04-16-2002	Matsuura et al.	
	AM	US- 2001/0015484-A1	08-23-2001	Matsuura et al.	
	AN	US- 5,667,899	09-16-1997	Yusa et al.	
		US-			
		US-			
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		US-			

### FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
G	AO	JP-3215014	09-20-1991	Seiko Instr.		
	AP	JP-02-256251	10-17-1990	Matusushita		
	AQ	JP-06-326240	11-25-1994	Hitachi Cable		
	AR	JP-1-165635	11-20-1989	NEC Corp.		
G	AS	JP-3-228	01-07-1991	HITACHI CABLE		

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*[Signature]*

Date  
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9-26-03

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Sheet	3	of	7
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Filing Date	February 20, 2001
First Named Inventor	Shinji TAKEDA
Art Unit	
Examiner Name	GRAYBILL, D.
Attorney Docket Number	TM&K0008

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
②	AT	JP-5-125337	05-21-1993	SUMITOMO BAKELI		
	AU	JP-5-152355	06-18-1993	NITTO DENKO CO		
	AV	JP-5-152386	06-18-1993	SUMITOMO METAL		
	AW	JP-5-152466	06-18-1993	SHIN ETSU CHEM		
④	AX	JP-5-335379	12-17-1993	TORAY IND INC		

Examiner Signature	<i>[Signature]</i>	Date Considered	9-26-3
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 7

**Complete if Known**

Application Number	09/785,486
Filing Date	February 20, 2001
First Named Inventor	Shinji TAKEDA
Art Unit	
Examiner Name	GRAYBILL, D.
Attorney Docket Number	TM&K0008

## U. S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number* Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
G	AY	JP-54-12266	01-29-1979	Mitsubishi Elec		
	AZ	JP-54-138371	10-26-1979	NEC HOME ELECTR		
	BA	JP-58-222530	12-24-1983	HITACHI LTD		
	BB	JP-58-57730	04-06-1983	NISSHA PRINTING		
	BC	JP-60-145630	08-01-1985	NEC CORP		
H	BD	JP-60-38825	02-28-1985	SUMITOMO METAL		

**Examiner  
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91-1-1

Date Considered
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**(Use as many sheets as necessary)**

Sheet	5	of	7
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Application Number	09/785,486
Filing Date	February 20, 2001
First Named Inventor	Shinji TAKEDA
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Examiner Name	GRAYBILL, D.
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
G	BE	JP-6-104300	04-15-1994	FUJITSU LTD		
	BF	JP-62-141038	09-05-1987	Irokawa		
	BG	JP-64-19735	06-12-1990	Tomeogawa Paper		
	BH	JP-64-22744	02-06-1989	Kansai NEC Corp		
G	BI	JP-7-90239	04-04-1995	SUMITOMO BAKELI		

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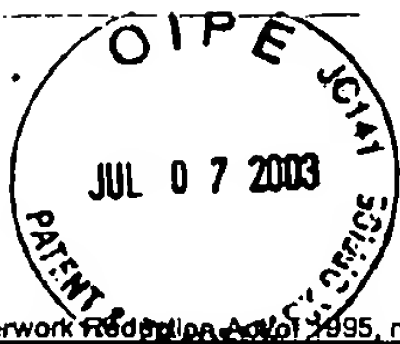
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		Art Unit	
Examiner Name	GRAYBILL, D.		
Attorney Docket Number	TM&K0008		
Sheet	6	of	7

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
GA	BK	"Rubber Elastomer Utility Notes", relates to types of rubber and their chemical structure and properties, July 20, 1991	
	BL	Notice of Reason for Refusal for Japanese Appln. No. 2000-346979 mailed on 10/22/2002 (with English Translation)	✓
	BM	Opposition against Japanese Patent No. 3187400	
	BN	Opposition against Japanese Patent No. 3215014	
GA	BO	European Search Report dated July 15, 2002	
GA	BQ	Notice of Reason for Refusal for Japanese Appln. No. 7-173493 mailed on August 29, 2000 (with English Translation)	✓
	BR	Notice of Reason for Refusal for Japanese Appln. No. 2000-156125 mailed on September 19, 2000 (with English Translation)	✓
	BS	Opposition against Japanese Patent No. 3117966	
GA	BT	Property list, Plastic Reader (1987 15th edition)	

Examiner Signature	<i>John</i>	Date Considered	9-26-03
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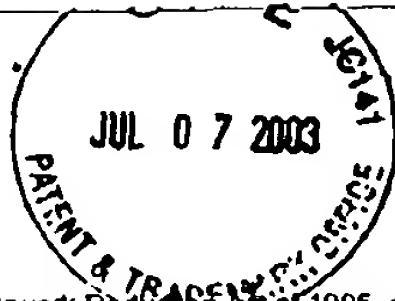
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Sheet 7	of 7	Attorney Docket Number	TM&K0008

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
GA	BU	International Search Report mailed April 2, 1996 for International Application PCT/JP95/02691	
	BV	European Search Report dated March 31, 2003 in European application 03001585.3	
	BW	European Search Report dated December 10, 1998	
GA	BX	European Search Report dated October 28, 1998 in European application EP96922225	

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First Named Inventor	Shinji TAKEDA
Art Unit	2827
Examiner Name	GRAYBILL, D.
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